

ABSTRACT

A mixing device for tablets includes a rotating drum including front and rear end walls, with the front end wall having a central mouth to receive and discharge the drum contents. One or more ribbon-like baffles are mounted to the inside surface of the front wall, with the baffle having a distal end which partly occludes the drum opening. The baffles are mounted at an angle such that when the drum is rotating in one direction they tend to direct the contents of the drum towards the opening of the drum to discharge the drum contents in a series of successive drum rotations, while when the drum is rotated in the opposite direction the baffles tend to direct the contents of the drum away from the drum opening. One or more curved ribs mounted to the inside surface of the drum body at an angle may be provided to cooperate in the tablet mixing and discharge phases.